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Preliminary

Technical Data Sheet

Product 7457

January 1998

PRODUCT DESCRIPTION

LOCTITE® ACTIVATOR 7457 is a single component non-CFC solvent based surface activator. The activator is designed to promote the speed of cure of Loctite cyanoacrylate adhesives. The activator is **HIGHLY FLAMMABLE**.

TYPICAL APPLICATIONS

ACTIVATOR 7457 is used where increased cure speed of Loctite cyanoacrylate products is required. It can be either pre- or post-applied to the bond. Used preapplied, presence of activator 7457 can be detected by fluorescence. Activator 7457 has been formulated to provide good on part life. Activator 7457 is also suited for post application on cyanoacrylate adhesives to ensure rapid fixturing. Typical examples are securing wires or coils to PCB's, tamperproofing adjustable components, mounting stand-offs, edge guides and board stiffeners.

LIQUID PROPERTIES

	Typical Value
Chemical type	Organic Accelerator
Solvent	Heptane
Appearance	Clear, Pale Amber
Specific Gravity @ 25°C	0.68
Viscosity @ 20°C, mPa.s	1
Flash point (TCC), °C	- 4(Highly Flammable)
TLV, (ACGIH), ppm	400
Fluorescent (365 nm)	Yes
Drying time @ 20°C, seconds	40
On part life, hrs	8

- * Heptane is an environmentally friendly solvent.
- Heptane has zero Ozone Depletion Potential.
- Conforms to German WGK, category 0.

TYPICAL PERFORMANCE

Fixture time and cure speed achieved as a result of using ACTIVATOR 7457 depend on the adhesive used and the substrate bonded.

GENERAL INFORMATION

For safe handling information on this product, consult the Material Safety Data Sheets, (MSDS).

HANDLING INFORMATION

Handling Precautions Caution

UNDER NO CIRCUMSTANCES SHOULD ACTIVATOR AND ADHESIVE BE MIXED DIRECTLY.

Activator must be handled in a manner applicable to highly flammable materials and in compliance with relevant local regulations. For example, special care must be taken to avoid contact of the activator or its vapour with naked flame or any electrical equipment that is not flame proofed.

The carrier solvent can affect certain plastics or coatings. It is recommended to check all surfaces for compatibility before use.

Avoid prolonged or repeated skin contact.

Use only in a well ventilated area.

No smoking in presence of activator.

Directions for use

Post Activation:

1. Apply Loctite cyanoacrylate to the parts to be bonded or fixed.
2. Apply activator over adhesive by spray or by drop. Use one drop of activator per one drop of adhesive.

Surface Activation:

1. Apply one coating of activator to the area to be bonded by spray, brush or dipping. Over application must be avoided as this will adversely affect bond integrity. Contaminated surfaces may need special cleaning or degreasing prior to activation to remove any soluble contamination.
2. Allow the solvent time to evaporate until the surfaces are completely dry (approx. 40 secs).

Storage

This activator is classified as being **HIGHLY FLAMMABLE** and therefore must be stored in an appropriate manner and in compliance with relevant regulations. Do not store near oxidising agents or combustible materials. The activator is light sensitive and the container should be kept in a dark place when not in use.

Product shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8°C to 28°C (46°F to 82°F) unless otherwise labelled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container. For further specific shelf life information, contact your local Technical Service Centre.

Note

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